

TRIGLOCHIN CONCINNA (JUNCAGINACEAE), A NEW FAMILY, GENUS, AND SPECIES FOR TEXAS

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Triglochin is a genus of about 20 species, most of these confined to aquatic habitats in the more temperate regions of the world (Thieret 1988). It has not previously been reported for Texas (cf. Haynes & Hellquist 2000; Turner et al. 2003), although at least two species of the genus have been collected in New Mexico (Correll & Correll 1972).

On July 26, 2003 a survey for plants along a saline aquatic habitat near Ruidosa (Presidio County), Texas revealed *Triglochin concinna* var. *debilis* (M.E. Jones) J.T. Howell (Fig. 1) growing along the embankment of a perennial sulfur stream. We have followed the taxonomy of Thorne (1993) in recording this taxon, although we are aware that Haynes and Hellquist (2000) position the latter in their broad concept of *T. maritima* L.

Voucher specimen: U.S.A. **TEXAS. Presidio Co.:** ca 2.2 mi NNW of Ruidosa growing along perennial sulphur streams and about tinajas. *M.W. Turner 99* (SRSC, TEX).

The species was noted to be relatively uncommon at the site, although at least four or five plants were noted along a path of about 40 meters. It was growing with a number of other rarely encountered semiaquatic species of the Trans-Pecos such as *Anemopsis californica*, *Samolus* sp., and *Eustoma exaltatum*.

The sampled site sits upon the property of Mr. James Blumberg of Ruidosa, Texas. We are grateful to him for permitting us entry to his property; indeed, he accompanied us on our impromptu visit, providing helpful comments on this or that collecting site.

REFERENCES

- CORRELL, D.S. and H.B. CORRELL. 1972. Aquatic and wetland plants of southwestern United States. EPA, Washington D.C.
HAYNES, R.A. and C.B. HELLQUIST. 2000. *Triglochin*, in Fl. N. Amer. 22:44–46.
THIERET, J.W. 1988. The Juncaginaceae in the southeastern United States. J. Arnold Arbor. 69:1–23.



FIGS. 1–2. **1.** *Triglochin concinna*: photograph of voucher specimen from the property (Presidio County, Texas) of Mr. James Blumberg; **2.** Illustration from Bentham (1865), *Handbook of the British Flora*, fig. 964; illustrated as *T. maritimum*.

THORNE, R.F. 1993. *Triglochin*. The Jepson manual: higher plants of California. Berkeley: Univ. of California Press.

TURNER, B.L., H. NICHOLS, G. DENNY, and O. DORON. 2003. Atlas of the vascular plants of Texas. *Sida, Bot. Misc.* 2:649–888.